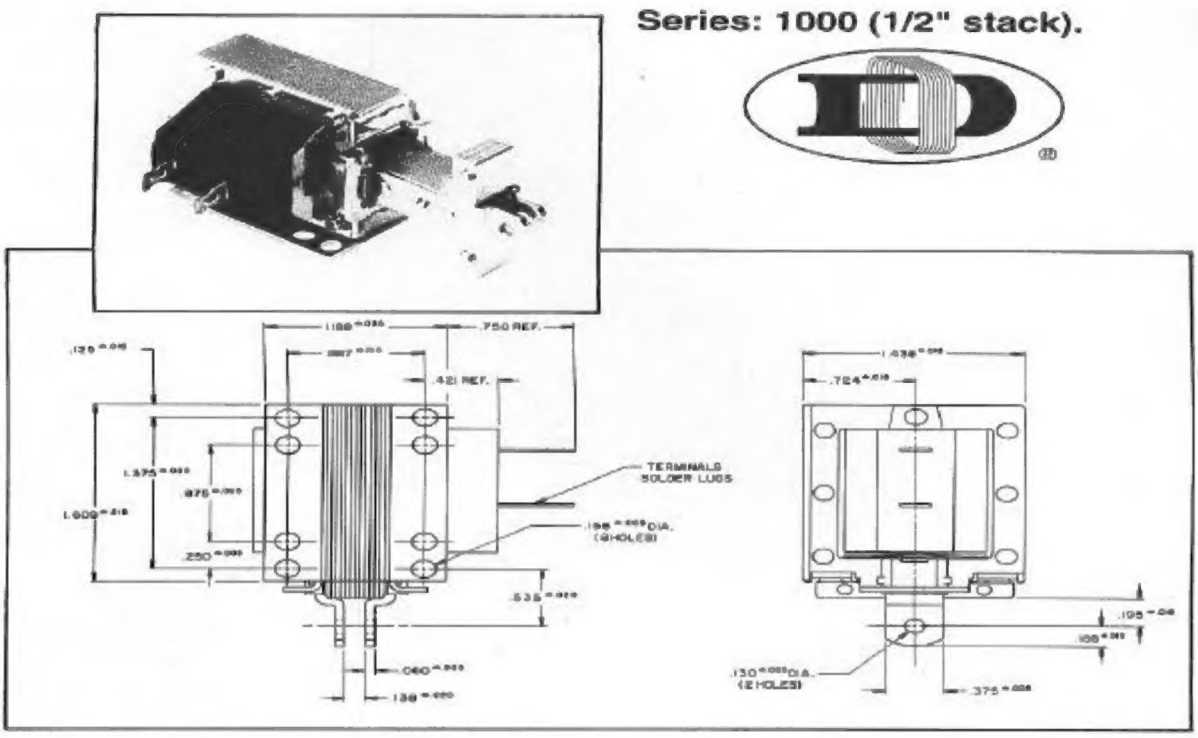
Jameco Part number 133102

# "Laminated" Solenoid

- Input Voltage: AC.
- Duty Cycle: Intermittent or continuous.
- Pull version.




**Standard Voltages:**
AC: 240, 120, 48 and 24.

Other AC voltages available on request.

**AC Frequency:**
60HZ standard.
50HZ available on request.

**Duty Cycle:**
Continuous: at 25°C ambient temperature.

Intermittent: 20% on time, 80% off Time. On time not to exceed 3 min. at 25°C ambient temperature.

**Coil Insulation:**
Class "A": 105° C max. temperature standard.
Class "B": 130° C max. temperature, glass tape wound coil available on request.

**Materials and Finish:**
Coil: Polyester encapsulated.
Bobbin: Glass filled polyester
Frame: Laminated steel zinc dichromate plated.
Plunger: Laminated steel zinc dichromate plated.
Anti-Residual Spring: Stainless steel.
Plunger Stop Spring: Spring steel.
Plunger Guides: Brass.

**Coil Termination:**
Solder lugs, Type #1 per drawing, stock. Other terminations available.

**Plunger Linkage:**
Formed per drawing above stock.
Straight, reinforced and link type available.

**Average total weight: 6.5 oz.**

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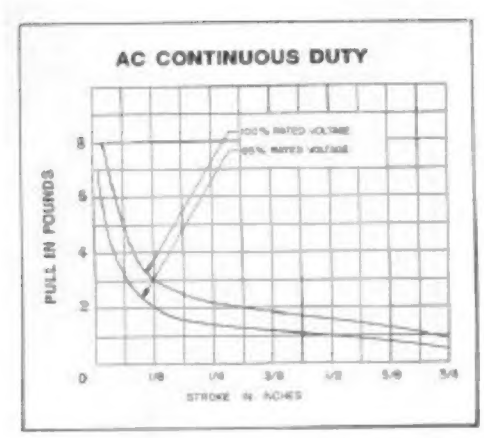
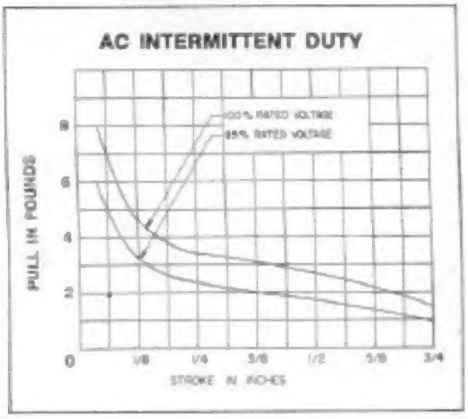
SERIES 1000 (1/2" STACK) AC SOLENOIDS

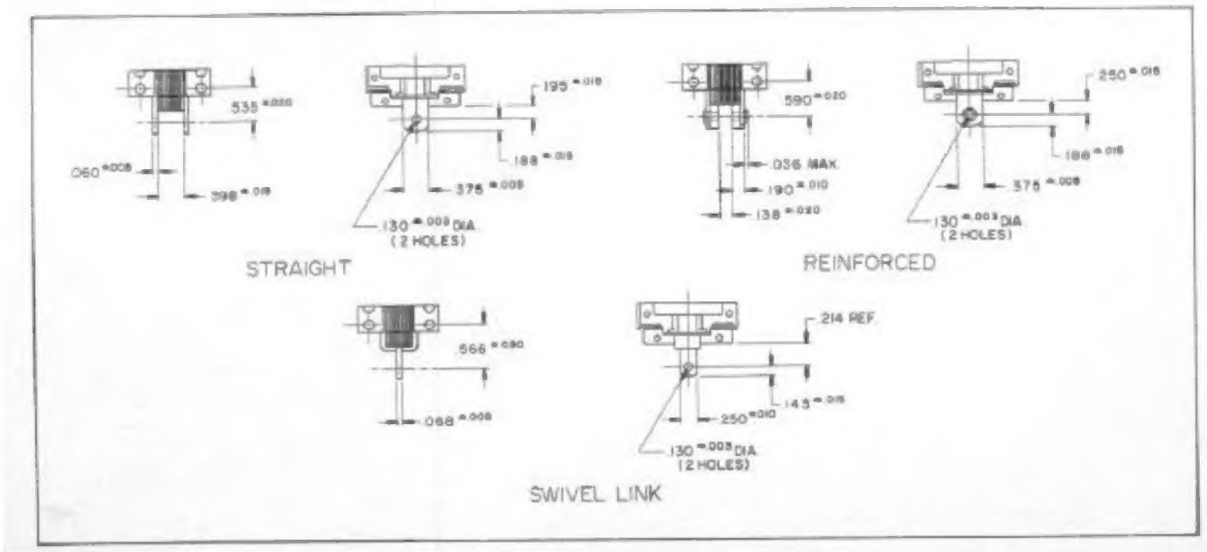
| Part No. | 1000=M=1 | 1001=M=1 | 1003=M=1 | 1004=M=1 | 1500=M=1 | 1501=M=1 | 1503=M=1 | 1504=M=1 |
|---|---|---|---|---|---|---|---|---|
| Volts-60 HZ | 120 | 240 | 48 | 24 | 120 | 240 | 48 | 24 |
| Duty | Cont. | Cont. | Cont. | Cont. | Int. | Int. | Int. | Int. |
| Coil Resistance ± 10% (Ohms @ 25°C.) | 88 | 354 | 14.2 | 3.6 | 58 | 240 | 9.5 | 2.3 |
| | | | | | | | | |
| Amps Seated ± 10% | .24 | .15 | .48 | 1.10 | .52 | .24 | 1.10 | 2.20 |
| Amps at 1/8" ± 10% | .72 | .38 | 1.80 | 3.70 | 1.20 | .53 | 2.70 | 5.10 |
| Amps at ¼" ± 10% | .92 | .47 | 2.30 | 4.40 | 1.40 | .64 | 3.30 | 6.60 |
| Amps at 1/8" ± 10% | 1.00 | .52 | 2.70 | 5.00 | 1.70 | .76 | 3.80 | 7.50 |
| Amps at ½" ± 10% | 1.20 | .56 | 2.90 | 5.40 | 1.80 | .81 | 4.00 | 8.50 |
| Amps at 5/8" ± 10% | 1.22 | .60 | 3.00 | 5.60 | 1.90 | .84 | 4.00 | 9.00 |




Quiet seal pull: 4.5 lbs. at rated voltage.
Pull values are indicated without plunger weight. Add or subtract .11 lbs. to obtain net pull when operated with or against gravity.
Force data: ±10%.




SERIES 1000 (1/2" STACK) PLUNGER VARIATIONS




PULL VALUES INDICATED ARE AT 100% VOLTAGE AT 25° C, AND WITHOUT PLUNGER WEIGHT.

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ADD OR SUBTRACT .6 OZ. TO OBTAIN NET PULL WITH OR AGAINST GRAVITY. FORCE DATA: ±10%

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.